

Title (en)

UP-CONVERTING REPORTERS FOR BIOLOGICAL AND OTHER ASSAYS USING LASER EXCITATION TECHNIQUES.

Title (de)

"UP-CONVERTING" REPORTER MOLEKÜL FÜR BIOLOGISCHE UND ANDERE TESTVERFAHREN UNTER VERWENDUNG VON LASER ANREGUNGSTECHNIKEN.

Title (fr)

RAPPORTEURS A CONVERSION VERS LE HAUT, DESTINES A DES DOSAGES BIOLOGIQUES ET AUTRES EFFECTUES A L'AIDE DE TECHNIQUES D'EXCITATION AU LASER.

Publication

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Application

EP 93921595 A 19930914

Priority

- US 9308712 W 19930914
- US 94606892 A 19920914

Abstract (en)

[origin: WO9407142A1] The invention provides methods, compositions, and apparatus for performing sensitive detection of analytes, such as biological macromolecules and other analytes, by labeling a probe molecule with an up-converting label. The up-converting label absorbs radiation from an illumination source and emits radiation at one or more higher frequencies, providing enhanced signal-to-noise ratio and the essential elimination of background sample autofluorescence. The methods, compositions, and apparatus are suitable for the sensitive detection of multiple analytes and for various clinical and environmental sampling techniques.

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G01N 33/58; G01N 21/64

IPC 8 full level

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C-Set (source: EP)

1. **C12Q 1/6816 + C12Q 2563/00 + C12Q 2563/107 + C12Q 2537/143**
2. **C12Q 1/6818 + C12Q 2563/00 + C12Q 2563/107 + C12Q 2537/143**

Citation (search report)

See references of WO 9407142A1

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WO 9407142 A1 19940331; AT E170004 T1 19980915; AT E266195 T1 20040515; AT E463744 T1 20100415; CA 2144527 A1 19940331; CA 2144527 C 20100817; DE 69320484 D1 19980924; DE 69320484 T2 19981224; DE 69333502 D1 20040609; DE 69333502 T2 20050414; DE 69334326 D1 20100520; DK 0660936 T3 19990525; DK 0723146 T3 20040830; EP 0660936 A1 19950705; EP 0660936 B1 19980819; EP 0723146 A1 19960724; EP 0723146 B1 20040506; EP 1333274 A2 20030806; EP 1333274 A3 20031022; EP 1333274 B1 20100407; ES 2123063 T3 19990101; ES 2216034 T3 20041016; JP 2003177096 A 20030627; JP 2005104980 A 20050421; JP 3420765 B2 20030630; JP 3636705 B2 20050406; JP H08501632 A 19960220

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